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1949 leukotomy

Turing Test 人工智能 AI A Modern Approach 人工智能的现代化 [1] 风洞 Wind Tunnel approach 风洞方法 Nature AlphaGo Zero 超越 superhuman 超越人类 Technological Singularity “技术奇点” 人工智能技术奇点 人工智能 [2]

[illegible]

[3]

leukotomy

## Leukotomy BRIAN Initiative

Leukotomy □□□□□□□□□□

1 personalities mental diseases personalities  
BRAIN Initiative [4]

20 leukotomy 20 leukotomy 20 BRAIN Initiative 20 AlphaGo 20

3 personality intelligence Walter Freeman personality intelligence [5]

personality intelligence personality intelligence

leukotomy

☐ Turing Test ☒ Nature ☒ AlphaGo Zero ☒ superhuman

superhuman 比 generic 比 human 更胜一筹  
更胜一筹

Leukotomy 发表在 Nature 比 AlphaGo Zero 更胜 superhuman 更胜  
更胜 peer review 更胜 Peer review 更胜 [6]

比 leukotomy 更胜 BRAIN Initiative 更胜

## 比 Technological Singularity 比 AlphaGo 更胜

Nature 更胜 AlphaGo Zero 更胜 AlphaGo Zero 更胜 superhuman 比 performance 更胜  
superhuman 比 generic 比 human 更胜 superhuman 更胜

AlphaGo Zero 比 AlphaGo Master 更胜 superhuman 更胜 generic 比 superhuman 更胜 game 更胜  
更胜

更胜 AlphaGo Zero 更胜 superhuman 更胜 AlphaGo Zero 更胜

更胜 AlphaGo Zero 比 Nature 更胜 superhuman 更胜

更胜  
更胜

更胜 game 更胜  
superhuman 更胜

更胜

更胜 Technological Singularity 更胜

更胜 Deepmind 更胜 [7] 更胜

AlphaGo Master 更胜 AlphaGo Master 更胜 AlphaGo Master 更胜  
AlphaGo Zero 比 AlphaGo Master 更胜 AlphaGo Master 更胜

更胜 AlphaGo Zero 更胜 AlphaGo Master 更胜 AlphaGo Zero 更胜 [8] 更胜  
更胜 AlphaGo Master 更胜 16 更胜 AlphaGo Zero 更胜 18 更胜  
AlphaGo Zero 更胜 14 比 16 更胜 45 更胜

1 比 Nature Magazine 更胜 AlphaGo 更胜 Deepmind 更胜 AlphaGo Zero  
比 AlphaGo Master 更胜

2) 更胜 AlphaGo Zero 更胜 local trap 更胜

AlphaGo Zero 超human 能力

AlphaGo Zero AlphaGo Master AlphaGo Master [9]Nature AlphaGo Zero AlphaGo Master deep-learning AlphaGo Master

AlphaGo Zero [10] superhuman AlphaGo Zero

AlphaGo generic human Deepmind AlphaGo AlphaGo AlphaGo

AlphaGo AlphaGo [11]

Turing Machine AlphaGo AlphaGo Zero AlphaGo Master AlphaGo Zero AlphaGo Zero

[12]

Turing Machine Turing Machine Universal approximation

intergrity

12

Socratic method

Karl Popper [13]

Neurosciences and human specific intelligence

Neurosciences and human specific intelligence

Alan Turing, Geoffrey Hinton, Demis Hassabis, AlphaGo

Demis Hassabis, deep-learning, reinforcement, [14], Nature, AlphaGo Zero, generic, superhuman, Geoffrey

Turing Machine, Geoffrey Hinton, Turing Machine, Alan Turing

Dialogue Concerning the Two Chief World Systems [15]

The Sceptical of Chemist, On the Origin of Species

On the Origin of Species

On the Origin of Species

human specific intelligence, big data, BRAIN Initiative, big data, human specific intelligence

Big data, AlphaGo

AlphaGo

AlphaGo

AlphaGo

AlphaGo

AlphaGo

AlphaGo

[illegible]



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[1] AI/A Modern Approach ~~~~~  
“Aristotle... was the first to formulate a precise set of laws governing the rational part of the mind.”(On page 5)

Galileo Galilei Dialogue Concerning the Two Chief World Systems ~~~~~

Immanuel Kant ~~~~~

Gödel's theorems ~~~~~

~~~~~ "a precise set of laws governing the rational part of the mind"

~~~~~

~~~~~ Turing Test ~~~~~

[2] ~~~~~  
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[illegible]

[22] [https://www.ietf.org/archive/id/draft-ietf-ecmascript-asmjs-01.html](#)